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CLAIMS AMENDMENTS

1. (currently amended) A trough mangle having preferably a rotary-driven mangle roll (10) can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10), wherein:

a) the mangle trough (12) has a smoothing surface (19) on an inner side facing the mangle roll (10) across which laundry to be ironed is moved between the mangle roll (10) and the mangle trough (12);

b) the mangle trough (12) is resilient such that the mangle trough (12) nestles against a surface of the mangle roll (10) uniformly across the smoothing surface (19); and

c) that the mangle roll (10) has a diameter which is gratergreater than 1600 mm.

2. (original) The trough mangle as claimed in claim 1, wherein the mangle roll (12) has a diameter in the range from 1600 to 2600 mm.

3. (original) The trough mangle as claimed in claim 1, wherein the mangle roll (12) has a diameter in the range from 1800 to 2400 mm.

4. (original) The trough mangle as claimed in claim 1, wherein a drive side (33) of the mangle roll (10) is assigned a drive (32), and the drive (32) carries the mangle roll (10) on the drive side (33).

5. (currently amended) ~~The~~A trough mangle as claimed in claim 4having a mangle roll (10) that is driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll, wherein:

a) a drive side (33) of the mangle roll (10) is assigned a drive (32);

b) the drive (32) carries the mangle roll (10) on the drive side (33); and

c) the drive (32) of the mangle roll (10) is designed as an angled epicyclic gearbox (36).

6. (currently amended) The trough mangle as claimed in claim 1, wherein the mangle trough (12) ~~is resilient and~~ is formed of trough sections connected to one another.

7. (original) The trough mangle as claimed in claim 1, wherein the mangle roll (10) has a wrapping which has a thickness between 6 and 25 mm.

8. (currently amended) ~~A~~The trough mangle having preferably a mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10)as claimed in claim 1, wherein a drive side (33) of the mangle roll (10) is assigned a drive (32), and the drive (32) carries the mangle roll (10) on the drive side (33).

9. (original) The trough mangle as claimed in claim 8, wherein the drive side (33) of the mangle roll (10) is mounted in the drive (32).

10. (currently amended) ~~The~~A trough mangle as claimed in claim 8~~having a rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein:~~

a) a drive side (33) of the mangle roll (10) is assigned a drive (32), and the drive (32) carries the mangle roll (10) on the drive side (33); and

b) a drive-side end wall (38) of the mangle roll (10) is assigned a coupling flange (39) which is connected to the~~an~~end wall (38) and which has a torque-transmitting means for connecting the mangle roll (10) to the~~an~~output drive shaft (35) of the drive (32).

11. (currently amended) The trough mangle as claimed in claim 10, wherein~~the torque-transmitting means of the coupling flange (39) has a~~ torque-transmitting means with a splined profile, which is designed to correspond ~~that corresponds to a flanged profile on the output drive shaft (35) of the drive (32).~~

12. (currently amended) ~~A~~The trough mangle having at least one mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10)as claimed in Claim 1, wherein a drive (32) of the mangle roll (10) has a gearbox which is ~~designed as~~selected from the group consisting of an epicyclic gearbox, an angled epicyclic gearbox (36), a cyclo gearbox ~~or, and~~ a harmonic drive gearbox.

13. (currently amended) ~~The~~A trough mangle as claimed in claim 12having at least one rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein a drive (32) of the mangle roll (10)~~the epicyclic gearbox is designed as an angled epicyclic gearbox (36).~~

14. (currently amended) ~~The~~A trough mangle as claimed in claim 12having at least one rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein a drive (32) of the mangle roll (10)~~the epicyclic gearbox is designed as a cyclo gearbox.~~

15. (currently amended) ~~The~~A trough mangle as claimed in claim 12having at least one rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein a drive (32) of the mangle roll (10)~~the epicyclic gearbox is designed as a harmonic gearbox.~~

16. (currently amended) ~~A~~The trough mangle having at least one mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10)as claimed in claim 1, wherein, ~~on the drive side (33) and on the non-driven side (34) opposite the latter,~~ the mangle roll (10) is connected to a frame (15) on both a drive side (33) and a non-driven side (34) opposite the drive side (33) such that it~~the mangle roll (10) can pivot, in each case~~ relative to both the drive side (33) and the non-driven side (34) via a lever mechanism (30, 31).

17. (currently amended) The trough mangle as claimed in claim 16, wherein the lever mechanisms (30, 31) on the drive side (33) and the non-driven side (34) are coupled to each other.

18. (currently amended) The trough mangle as claimed in claim 17, wherein the lever mechanisms (30, 31) are coupled to each other by means of a compensating shaft (54), which is dimensioned such that it is substantially torsion-free.

19. (currently amended) The trough mangle as claimed in claim 18, wherein the compensating shaft (54) is associated with a pivot (44) of ~~that~~ a lever (~~double-lever~~ 42, 48) of the lever mechanisms (30, 31) on which the mangle roll (10) is mounted.

20. (currently amended) The trough mangle as claimed in claim 17, wherein the weight of the drive (32) mounted on the lever mechanism (30) on the drive side (33) ~~can be~~ compensated for by the contact force of the mangle roll (10) on the mangle trough (12).

21. (currently amended) The trough mangle as claimed in claim 17, wherein the lever mechanisms (30, 31) on the drive side (33) and on the non-driven side (34) ~~can be pivoted~~ are pivotable by means of pressure-medium cylinders.

22. (currently amended) ~~The~~ A trough mangle as claimed in claim 24 having at least one rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein:

a) the mangle roll (10) is connected to a frame (15) on drive side (33) and on a non-driven side (34) opposite the drive side (33) such that the mangle roll (10) can pivot via a lever mechanism (30, 31);

b) the lever mechanisms (30, 31) on the drive side (33) and the non-driven side (34) are coupled to each other and are pivotable by means of pressure-medium cylinders; and

c) in order to compensate mechanically for the weight loading exerted by the drive (32) on the drive-side lever mechanism (30), the lever ratios of the lever mechanisms (30, and 31) are dimensioned such that that a lever arm of the lever mechanism (30) on which a the pressure-medium cylinder acts in each case is shorter than the a corresponding lever arm of the lever mechanism (31) of the non-driven side (34).

23. (currently amended) ~~The~~A trough mangle ~~as claimed in claim 12~~having at least one rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein:

a) the mangle roll (10) is connected to a frame (15) on a drive side (33) and on a non-driven side (34) opposite the drive side (33) such that the mangle roll (10) can pivot via a lever mechanism (30, 31);

b) the lever mechanisms (30, 31) on the drive side (33) and the non-driven side (34) are coupled to each other and are pivotable by means of pressure-medium cylinders; and

c) in order to compensate pneumatically for the weight loading exerted by the drive (32) on the drive-side lever mechanism (30), the pressure-medium cylinder associated with this lever mechanism (30) has a smaller piston area than that pressure-medium cylinder which is associated with the lever drive (31) of the non-driven side (34) of the mangle roll (10).

24. (currently amended) ~~A~~The trough mangle ~~having in particular a mangle roll (10) that can be driven so as to revolve and a flexible mangle trough (12) associated with the mangle roll (10)~~as claimed in claim 1, wherein the resilient mangle trough (12) is formed of individual trough sections connected to one another.

25. (currently amended) The trough mangle as claimed in claim 24, wherein the individual trough sections extend over part of the mangle trough (12) surrounding the mangle roll (10) in some areas in the circumferential direction.

26. (original) The trough mangle as claimed in claim 24, wherein the individual trough sections are designed independently, at least with regard to their energy supply.

27. (currently amended) The trough mangle as claimed in claim 24, wherein ~~each~~the individual trough section ~~has its~~sections have their own connections, at least for the feed of energy.

28. (original) The trough mangle as claimed in claim 27, wherein the connections of the individual trough sections are connected in parallel with one another in terms of flow.

29. (original) The trough mangle as claimed in claim 24, wherein the trough mangle (12) has two substantially identically designed trough sections.

30. (original) The trough mangle as claimed in claim 29, wherein each of the identically designed trough sections is formed from a trough half (21, 22).

31. (currently amended) ~~The~~A trough mangle as ~~claimed in claim 30~~having a rotary driven mangle roll (10) and a flexible and resilient mangle trough (12) associated with the mangle roll (10), wherein:

- a)- the mangle trough (12) is formed of two substantially identical individual trough sections connected to one another,
- b) each of the trough sections is formed from a trough half (21, 22) and
- c) the trough halves (21, 22) are connected to each other by welding in the center of the mangle trough (12).

32. (currently amended) ~~The~~A trough mangle as ~~claimed in claim 30~~having a rotary driven mangle roll (10) and a flexible and resilient mangle trough (12) associated with the mangle roll (10), wherein:

- a)- the mangle trough (12) is formed of two substantially identical individual trough sections connected to one another,
- b) each of the trough sections is formed from a trough half (21, 22) and
- c) the trough halves (21, 22) are connected to each other by a longitudinal welded seam (29) along a connecting line (23) going through in the longitudinal direction of the mangle trough (12), the connecting line (23) running in the longitudinal direction of the mangle trough (12), and going through the lower vertex of the same mangle trough (12).

33. (original) The mangle trough as claimed in claim 32, wherein the longitudinal welded seam (29) is formed and dimensioned in such a way that it has approximately the same section modulus as the respective trough halves (21, 22).

34. (canceled).

35. (currently amended) The mangle trough as claimed in claim ~~34~~7, wherein the wrapping of the mangle roll has a thickness of 12 to ~~30~~25 mm.

36. (currently amended) ~~The~~A trough mangle as ~~claimed in claim 34~~having a rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein the mangle roll (10) has a wrapping that has a thickness between 6 and 25 mm and the wrapping is formed in one layer.

37. (currently amended) ~~The~~A trough mangle as ~~claimed in claim 34~~having a rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein the mangle roll (10) has a wrapping that has a thickness between 6 and 25 mm and the wrapping is closed endlessly in the circumferential direction of the mangle roll (10) by means of a connecting seam substantially without an offset.

38. (currently amended) The trough mangle as claimed in claim ~~34~~7, wherein the wrapping is formed from a felt-like material.

39. (currently amended) ~~The~~A trough mangle as ~~claimed in claim 38~~having a rotary driven mangle roll (10) and a flexible mangle trough (12) associated with the mangle roll (10), wherein the mangle roll (10) has a wrapping which has a thickness between 6 and 25 mm and the wrapping is formed only from a felt-like material.